A2500-2
3/17/89

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY · Vol. 67 No. 2 FEBRUARY 1989

PAPER AND PAPERBOARD PRODUCTION: HOLDING STEADY

Consistent with the trend of the total economy, paper and paperboard production held close to its fourth quarter 1988 rate during the early weeks of 1989. Preliminary data show January 1989 production at 6.5 million tons, which is fractionally above its year-ago level. Adjusted for seasonal and workday factors, the rate was 76.5 million tons per year.

The paperboard production trends were slightly stronger than those of paper. Where total paper production, at 3.2 million tons, was 0.2% above its year-ago level, paperboard production, at 3.3 millions, gained 1.0%.

Paper: Production of newsprint, tissue papers, unbleached kraft and other packaging and industrial papers were above year-ago levels in January 1989, while production of printing-writing paper moved a bit below their year-ago rates. Within the printing and writing paper grades, gains over year-ago levels were recorded in shipments of groundwood papers and bleached bristols. The major strengths in the printing paper markets appear to be in office reprographics, commercial printers and business forms converters.

Paperboard: The January 1989 rate of paperboard production, adjusted for seasonal and workday factors, was 38.6 million tons per year, indicating a production rate slightly above that for 1988 as a whole. Production of unbleached kraft and semichemical paperboard were both slightly above their year-earlier levels, but production of the other grades was down fractionally. In terms of market demand, production of containerboard for domestic use showed a 1.3% gain, which compares to a 6.4% gain in shipments of fiber boxes. Inventories of containerboard at mills and plants rose from a revised level of 5.4 weeks of supply as of January 1, 1989 to 5.6 weeks of supply as of February 1. One year ago inventories were equivalent to 5.7 weeks of supply.

Boxboard production for domestic use just about matched its year-ago level. Solid bleached and recycled folding boxboard both showed declines, but these were offset by gains in kraft folding boxboard, set-up boxboard and milk carton and food service stock. Paperboard production for export was 1.5% ahead of its year-ago level at an annual rate that was close to its 1987-1988 level.

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MARKET WOOD PULP

Demand for chemical paper grade market wood pulp in January 1989 reflected a continuation of the strength evident during the past few years, with production a shade above the reported capacity levels. Canadian production also ran above reported capacity, while the combined production of North American and Nordic producers just matched their combined capacity levels.

Shipments of these grades of wood pulp in January were also above their year-ago rates. The gains, however, were concentrated in exports, with shipments to Europe and Japan showing relatively large increases. Shipments from U.S. mills to the domestic market fell 11%, but increased shipments from Canada held the decline in total receipts from the North American and Nordic producers to 5%.

The January production totals were above shipments, and inventories at U.S. mills rose to 17 days of supply, compared to 15 days of supply one year earlier. In terms of days of supply, inventories are at the low side of the range evident during the 1980's.

IMPORTS AND EXPORTS

The table on page 9 presents the 1988 and 1987 totals of import and exports of paper, paperboard, wood pulp, waste paper and converted paper and paperboard products. Paper and paperboard imports held at their 1987 level in 1988 with gains in printing papers (uncoated groundwood, coated and uncoated free sheet papers) offsetting a decline in newsprint. Exports of paper and paperboard rose 6%, led by a 20% gain in exports of paper. The paper export total, 1.1 million tons, established a new high.

SALES AND EARNINGS

Fourth quarter 1988 sales of 27 paper and allied products companies as reported in the press, rose 12.6% from their year-earlier level, continuing the pattern of quarterly year-to-year increases and bringing the total 1988 gain to 14.9%. After-tax profits gained 39.3% from the fourth quarter of 1987 to the fourth quarter of 1988, which brought the total 1988 increase to 53.0%. The faster rises in after-tax profits brought the 1988 profits/sales ratio to 8.4%.

The table on the bottom of page 10 presents data on sales and earnings for 1987 and 1988 for these companies, together with the quarterly ratios of after-tax profits to sales. This table also shows similar data for four forest products companies with capacity in the paper industry.

HISTORICAL PROFILE OF KEY PAPER INDUSTRY DATA SERIES

The table shown on page 12 of this report provides historical data for the key paper industry data and market series that regularly appear on the yellow Industry Data Sheet. This table provides historical data for 1977, the base year for the

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PAPER AND PAPERBOARD STATISTICS

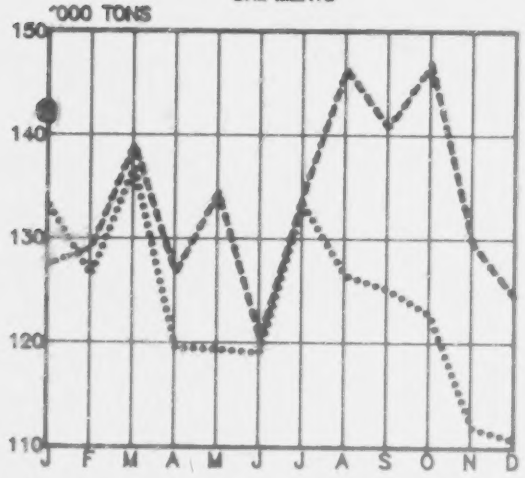
PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Short Tons)

	YEAR 1987	YEAR 1988	OCTOBER 1988	NOVEMBER 1988 (R)	DECEMBER 1988 (P)	JANUARY 1989 (P)	Annual Rate Y-T-D 1989	% Change From same Period Last Year
PAPER								
Newsprint - Production	5,842	5,982	508	493	512	507.3	6,088	1.7
- Shipments	5,854	5,969	508	502	523	481.6	5,779	-0.1
Printing & Writing Sum	20,780	21,819	1,846	1,788	1,756	1,785	21,415	-2.6
Groundwood Paper - Shipments	1,485	1,681	147	130	125	143	1,720	12.3
- New Orders	1,529	1,630	145	113	177	135	1,625	5.4
-Unfilled Orders	164	207	168	145	207	180	180	7.5
Coated Papers - Shipments	6,860	7,361	625	606	573	627	7,526	-1.6
- New Orders	7,866	7,436	666	575	570	580	6,956	-7.1
- Unfilled Orders	708	722	749	729	722	663	663	2.2
Unctd Free Sheet - Shipments	10,977	11,327	944	922	930	890	10,685	-5.6
- New Orders	11,184	11,365	937	880	989	860	10,322	-8.8
- Unfilled Orders	773	781	745	717	781	692	692	-2.8
Thin Papers - Shipments	251	227	21	21	18	19	222	-4.8
Cotton Fiber Paper - Shipments	163	164	15	13	15	13	158	-1.0
Bleached Bristols - Production	1,044	1,139	94	97	95	92	1,104	2.0
Tissue Paper - Production	5,101	5,476	476	445	450	481	5,771	7.2
Total Packaging & Other Paper	5,076	5,199	434	439	423	456	5,472	2.9
Unbl. Kraft Paper - Shipments	3,081	3,038	248	254	258	273	3,276	2.9
Other Paper - Production	1,993	2,162	186	185	165	183	2,196	3.0
TOTAL PAPER-Production-Unadj.	36,996	38,476	3,264	3,165	3,148	3,229	38,746	0.2
-Production-S.A. RS			3,195	3,228	3,172	3,164	37,963	-0.1
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	28,944	29,459	2,427	2,344	2,494	2,538	30,458	1.4
Total Unbl. Kraft Paperboard	18,913	19,268	1,576	1,588	1,635	1,666	19,995	1.8
Unbl. Kraft Linerboard (1)	17,682	17,996	1,479	1,412	1,526	1,554	18,644	1.6
Production for Export	2,318	2,353	192	153	212	201	2,412	-3.3
Other Unbl. Kraft Paperboard	1,232	1,272	97	97	110	113	1,351	5.0
Semichemical Paperboard	5,680	5,708	472	475	478	495	5,937	1.3
Production for Export	189	136	12	14	10	16	189	60.5
Solid Bleached Paperboard	4,420	4,483	380	361	381	377	4,526	-0.2
Production for Export	619	601	51	49	50	56	671	13.9
Recycled Paperboard	8,586	8,771	775	714	663	744	8,926	-0.2
Production for Export	75	60	2	3	2	4	44	-33.1
TOTAL PAPERBOARD-Prod.-Unadj.	37,439	38,230	3,203	3,058	3,157	3,282	39,384	1.0
- Containerboard Prod.(Dom. Use)	23,028	23,531	1,955	1,906	1,968	2,022	24,258	1.3
- Boxboard Prod.(Dom. Use)	6,917	7,107	529	505	513	618	7,324	0.1
- All Other P'bd Prod.(D.U.)	4,293	4,443	462	429	403	374	4,485	0.8
- Total Paperbd Prod. for Export	3,201	3,149	257	218	274	276	3,317	1.5
TOTAL PAPERBOARD PROD.- S.A. RS			3,174	3,148	3,135	3,215	38,577	0.7
TOTAL PAPER AND PAPERBOARD								
Production - Unadj.	74,435	76,705	6,466	6,223	6,297	6,511	78,130	0.6
Production - S.A. RS			6,369	6,376	6,307	6,378	76,540	0.3

(1)Includes all exports of kraft paperboard. R - Revised P - Preliminary S.A. - Seasonally Adjusted

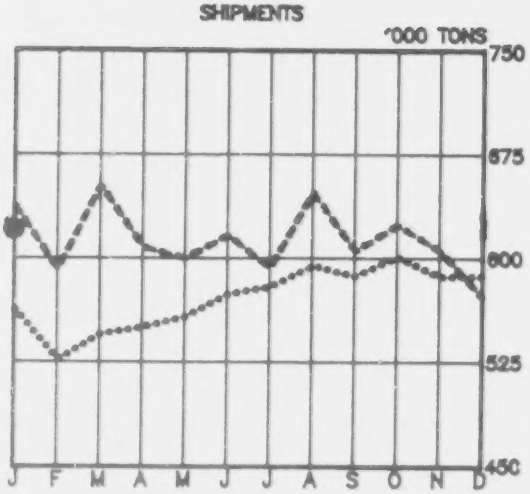
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



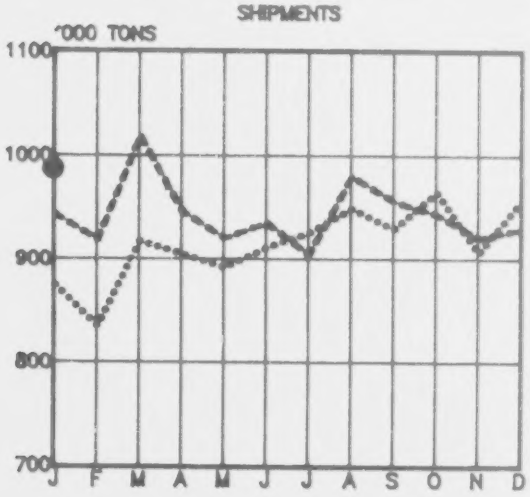
COATED PAPER

SHIPMENTS



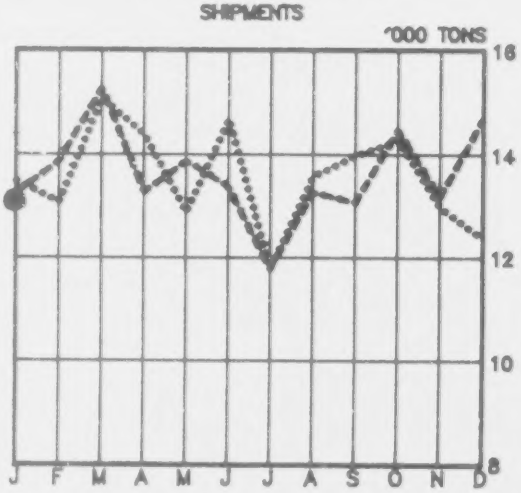
UNCOATED FREE SHEET PAPERS

SHIPMENTS



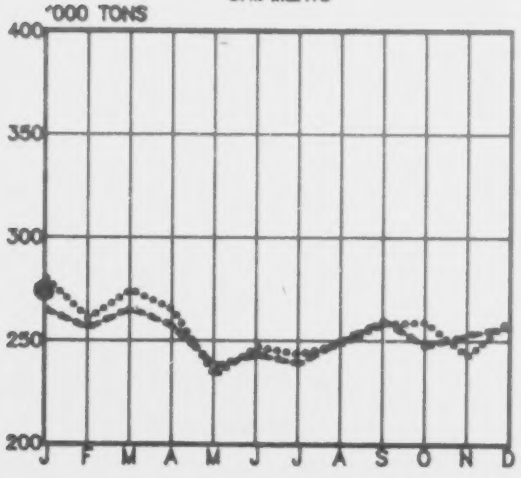
COTTON FIBER PAPER

SHIPMENTS



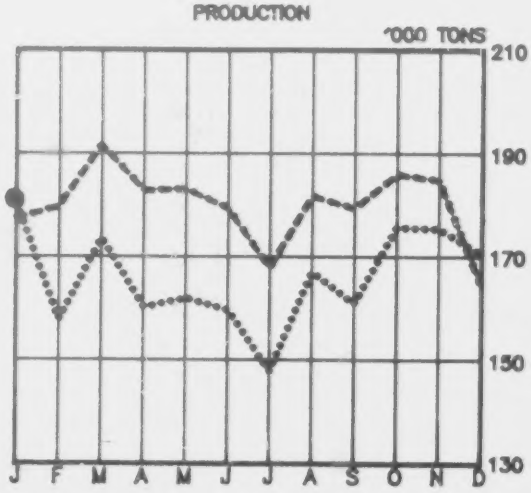
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



● JAN 1989 1987 ••••••• 1988 – – – – 1989 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1986	YEAR 1987	SEPTEMBER 1988	OCTOBER 1988	NOVEMBER 1988	DECEMBER 1988	Annual Rate Y-T-D 1988	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	57,005	59,552	5,007	5,079	4,974	5,282	61,210	2.8
- Imports	4,582	4,850	379	436	425	314	4,938	1.8
- Exports	4,458	4,889	518	421	420	573	5,528	13.1
- New Supply	57,129	59,513	4,868	5,094	4,980	5,024	60,620	1.9
Dissolving Pulp - Production	1,258	1,312	135	99	112	127	1,367	4.2
- Imports	255	198	19	15	31	25	248	25.8
- Exports	711	752	81	74	73	89	865	15.0
- New Supply	801	757	73	40	69	64	751	-0.9
Paper Grades - Production	46,081	48,293	4,045	4,100	4,007	4,303	49,543	2.6
Chemical Pulp - Imports	4,220	4,456	338	374	366	274	4,329	-2.8
- Exports	3,689	4,111	434	344	340	478	4,612	12.2
- New Supply	46,612	48,637	3,949	4,130	4,033	4,099	49,259	1.3
Groundwood and - Production	5,476	5,702	473	513	489	484	5,943	4.2
Thermo-Mech. - Imports	148	197	21	47	29	14	361	83.3
- Exports	59	26	3	4	6	6	51	91.8
- New Supply	5,525	5,872	492	557	511	493	6,253	6.5
Semi-Chemical - Production	4,191	4,246	354	367	366	368	4,357	2.6
- Imports								
- Exports								
- New Supply	4,191	4,246	354	367	366	368	4,357	2.6
MARKET WOOD PULP								
Total Market - Production	7,572	8,114	727	646	684	764	8,455	4.2
Wood Pulp - Imports	3,122	3,235	281	285	289	298	3,471	7.3
- Exports	4,470	4,820	420	380	369	502	4,962	2.9
- New Supply	6,224	6,529	588	551	604	560	6,965	6.7
Dissolving Pulp - Production	1,251	1,388	135	99	112	127	1,365	4.4
- Imports	212	154	18	9	19	22	206	34.3
- Exports	718	775	93	56	62	88	798	2.9
- New Supply	745	687	59	52	68	61	774	12.7
Paper Grades - Production	6,315	6,806	593	547	572	637	7,090	4.2
Chemical Pulp - Imports	2,831	2,975	254	262	267	273	3,126	9.1
- Exports	3,752	4,045	327	324	307	414	4,164	2.9
- New Supply	5,394	5,736	520	485	532	496	5,052	5.5
Groundwood Pulp - Production	5	0	0	0	0	0	0	0
and All Other - Imports RS	79	106	9	15	3	2	139	31.2
- Exports	0	0	0	0	0	0	0	0.0
- New Supply	85	106	9	15	3	2	139	31.1

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

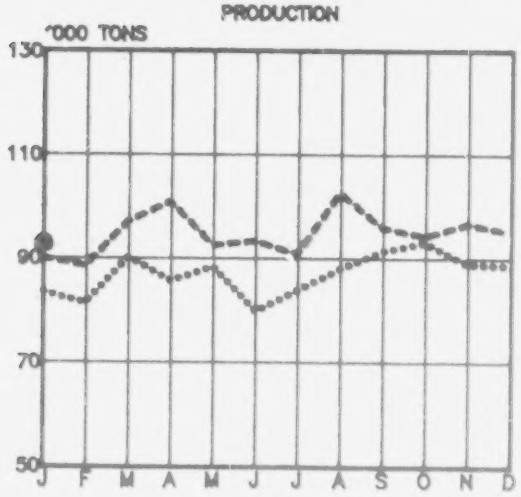
FIBROUS RAW MATERIALS
(Thousands of tons)

	YEAR 1986	YEAR 1987	SEPTEMBER 1988	OCTOBER 1988	NOVEMBER 1988	DECEMBER 1988	Annual Rate Y-T-D 1988	% Change from same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	74,296	77,753	6,480	6,759	6,531	6,620	79,751	2.6
Total Wood Pulp	57,061	59,474	4,927	5,158	4,962	5,113	60,892	2.4
Waste Paper	17,236	18,279	1,553	1,601	1,569	1,507	18,859	3.2
INVENTORIES								
Chemical Paper Grade Market Pulp								
Producers' Own-Use Inventories	174	170	198	161	170	173	173	2.1
Producers' Market Inventories	284	224	272	275	301	261	261	16.5
Consumers' Purchased Inventories @	496	529	628	583	591	622	622	17.5
Waste Paper at Paper & Bd. Mills	838	922	1,057	1,043	1,074	1,089	1,089	18.2
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	16	12	14	15	17	14	14	16.7

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API. @ Includes all grades of wood pulp.
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons RS - 1988 Revised Series

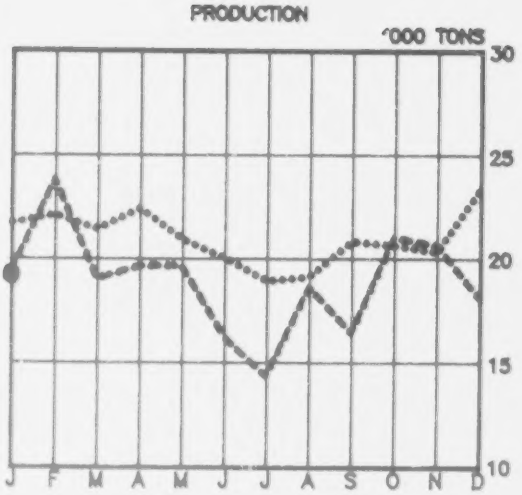
BLEACHED BRISTOLS

PRODUCTION



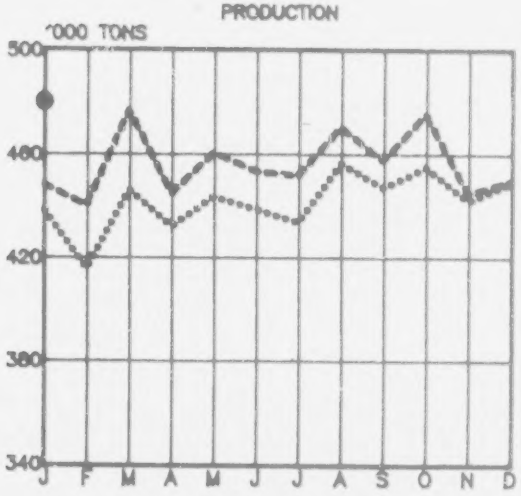
THIN PAPER

PRODUCTION



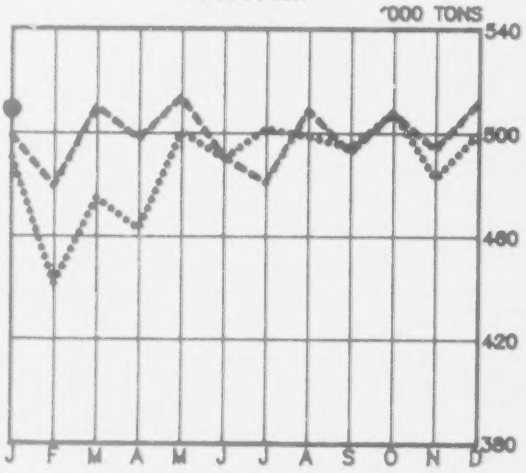
TISSUE PAPER

PRODUCTION



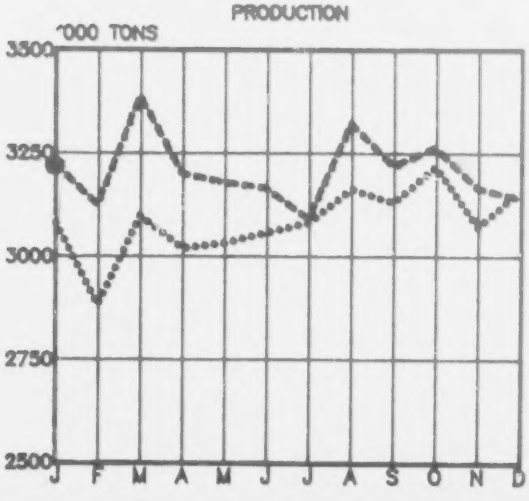
NEWSPRINT

PRODUCTION



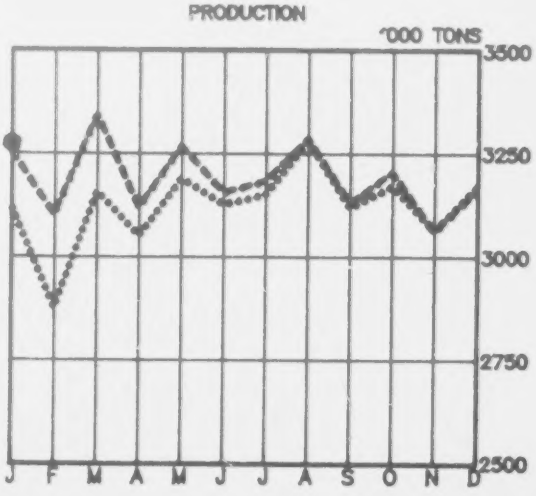
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



● JAN 1989 1987 ••••••• 1988 -•-•-•- 1989 ——

F I B R O U S R A W M A T E R I A L S

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1986	YEAR 1987	SEPTEMBER 1988	OCTOBER 1988	NOVEMBER 1988	DECEMBER 1988	Annual Rate Y-T-D 1988	% Change From Same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	90,943	94,312	8,080	8,245	7,889	8,170	95,537	1.3
	- Total Consumpt	91,434	93,346	7,356	7,908	7,887	8,198	95,497	1.7
	- Residues *	32,755	32,899	2,723	2,869	2,770	2,812	33,186	0.9
	- Inventories	4,734	5,696	4,484	4,726	4,730	4,888	4,888	-4.1
So. Atlantic	- Total Receipts	29,513	31,147	2,688	2,731	2,697	2,786	31,582	1.4
	- Total Consumpt	29,425	30,915	2,686	2,650	2,630	2,716	31,567	2.1
	- Residues *	9,343	9,553	799	903	832	885	9,897	3.6
	- Inventories	994	1,211	1,048	1,134	1,176	1,200	1,200	-0.9
Northeast	- Total Receipts	7,277	6,941	622	645	578	689	7,187	3.5
	- Total Consumpt	7,227	7,109	549	565	591	600	7,216	1.5
	- Residues *	1,419	1,543	138	139	155	151	1,664	7.8
	- Inventories	484	594	482	507	546	572	572	-3.7
South Central	- Total Receipts	31,790	33,650	2,914	2,825	2,824	3,004	33,751	8.3
	- Total Consumpt	32,113	33,059	2,876	2,706	2,760	3,031	33,646	1.8
	- Residues *	9,792	9,992	816	836	835	841	9,890	-1.0
	- Inventories	926	1,294	1,030	1,147	1,195	1,160	1,160	-10.4
North Central	- Total Receipts	6,571	6,552	545	563	475	608	6,865	4.8
	- Total Consumpt	6,730	6,764	519	568	573	558	6,929	2.4
	- Residues *	1,262	1,263	116	100	94	102	1,334	5.6
	- Inventories	892	830	825	852	768	839	839	1.1
West	- Total Receipts	15,792	16,022	1,311	1,481	1,315	1,283	16,152	8.8
	- Total Consumpt	15,939	16,099	1,326	1,419	1,333	1,293	16,139	8.2
	- Residues *	11,159	10,548	854	891	854	833	10,421	-1.4
	- Inventories	1,438	1,157	1,099	1,086	1,144	1,117	1,117	-4.3

* - Consumption of Residues in Cord Equivalents.

SOURCE: American Pulpwood Association

21-Feb-89

U N I T E D S T A T E S T R A D E W I T H C A N A D A

IMPORTS FROM CANADA

	YEAR 1987 Tons	YEAR 1987 ($000's)	NOVEMBER 1988 Tons	NOVEMBER 1988 ($000)	DECEMBER 1988 Tons	DECEMBER 1988 ($000)	Annual Rate Y-T-D 1988 Tons	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	15,382	1,736	85	10	2,375	171	39,337	155.7
Pulpwood chips	487,147	15,250	72,587	2,244	93,423	4,823	876,038	79.8
Wood Pulp, Total	4,328,114	1,342,819	388,222	213,399	254,089	142,073	4,240,245	-1.8
Waste Fibrous Materials, Total	186,286	36,423	15,862	3,811	12,271	2,613	227,004	21.9
Paper, Board & Products, Total	10,586,047	5,893,903	895,721	497,199	645,897	356,528	10,500,824	-0.8
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	10,441,472	4,845,663	880,596	473,775	636,088	341,249	10,351,917	-0.9
Paper, Paperboard & Products	10,365,412	5,827,943	873,847	490,715	637,355	353,884	10,286,916	-0.8
Paper & Paperboard, Only	10,218,838	4,779,702	858,722	467,291	628,858	338,605	10,138,008	-0.8
Paper, Total	9,951,198	4,698,148	831,839	456,787	612,074	332,313	9,872,892	-0.9
Newsprint	8,588,389	3,956,147	683,960	360,903	523,144	276,522	8,288,348	-3.5
Printing, Writing & Rel. Pap.	1,111,641	621,978	124,007	80,480	75,034	46,970	1,304,003	17.3
Pack. & Ind. Conv. Paper	215,514	102,986	19,885	14,718	11,102	6,873	227,493	5.6
Special Industrial Paper	5,478	9,844	716	1,317	338	692	4,767	-13.0
Tissue Paper	40,257	27,194	4,271	3,370	2,465	2,257	48,281	19.9
Paperboard, Total	257,619	81,554	26,883	10,504	15,984	6,292	265,116	2.9
Convtd Paper&Paperbd Products	146,575	248,241	15,125	23,424	9,897	15,279	148,908	1.6
Wet Machine Board	2,898	1,977	203	149	143	105	2,939	1.7
Construction Paper & Board	219,744	63,983	21,671	6,335	7,799	2,539	218,970	-4.0

EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	12,617	778	0	0	35	2	10,805	-14.4
Pulpwood chips	61,575	4,814	1,383	29	403	18	33,048	-46.3
Wood Pulp, Total	198,921	75,956	28,526	10,807	25,299	10,382	280,074	40.8
Cotton Pulp & Other Pulp	58,288	14,775	4,828	1,673	13,619	3,693	84,891	45.6
Waste Paper	286,898	30,592	21,297	2,402	30,321	3,384	331,999	15.7
Paper, Board & Products, Total	957,434	598,429	77,093	58,426	72,762	54,193	1,149,070	20.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	712,494	398,256	54,398	36,325	51,363	33,761	872,926	22.5
Paper, Paperboard & Products	920,755	581,481	74,267	56,922	69,076	52,619	1,112,110	20.8
Paper & Paperboard, Only	675,815	381,308	51,572	34,821	47,677	32,187	835,965	23.7
Paper, Total	297,585	250,807	25,813	22,512	24,480	20,835	340,156	14.3
Newsprint	4,525	3,728	535	456	322	288	5,806	28.3
Printing, Writing & Rel. Pap.	151,716	125,667	13,834	12,531	11,026	11,288	166,667	9.9
Pack. & Ind. Conv. Paper	25,826	17,841	3,853	2,912	4,667	2,775	41,718	61.5
Special Industrial Paper	110,107	97,080	7,591	5,998	7,965	5,838	118,806	7.9
Tissue Paper	5,411	6,490	801	616	501	654	7,160	32.3
Paperboard, Total	378,230	130,501	25,759	12,309	23,197	11,353	495,809	31.1
Convtd Paper&Paperbd Products	244,940	200,173	22,695	22,101	21,399	20,432	276,145	12.7
Wet Machine Board	10,212	4,828	340	141	684	278	6,527	-36.1
Construction Paper & Board	26,467	12,120	2,486	1,363	3,002	1,296	30,433	15.0

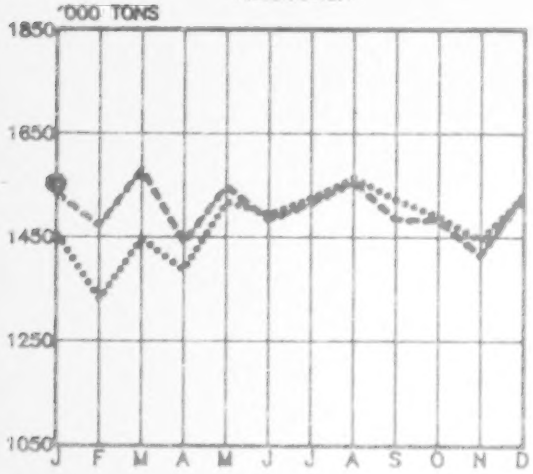
SOURCE: Bureau of Census, Department of Commerce

E - Estimate of tonnage based on square foot data

21-Feb-89

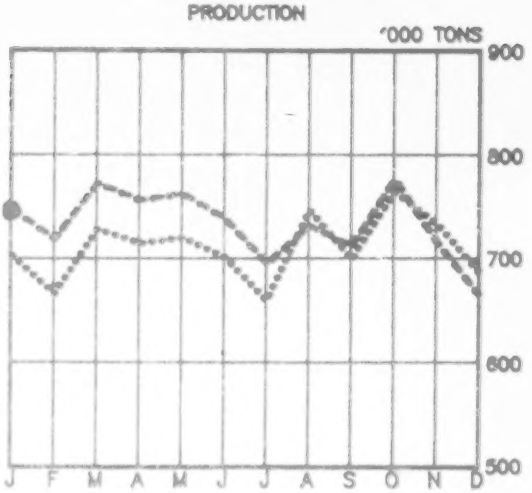
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



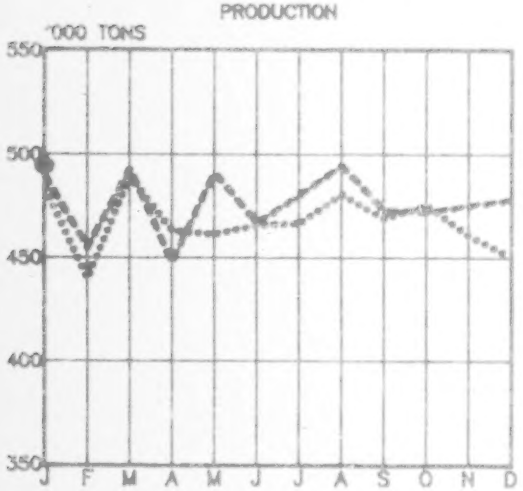
RECYCLED PAPERBOARD

PRODUCTION



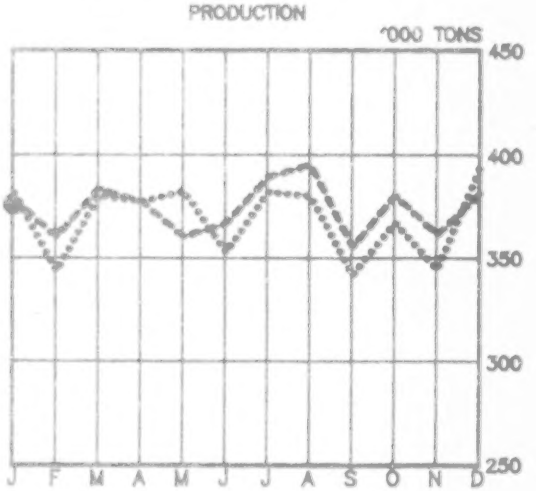
SEMICHEMICAL PAPERBOARD

PRODUCTION



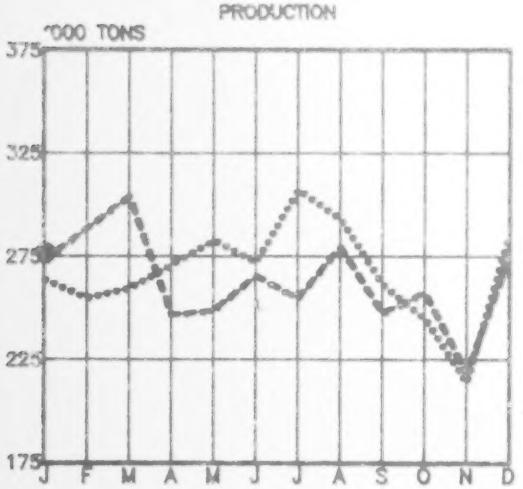
SOLID BLEACHED PAPERBOARD

PRODUCTION



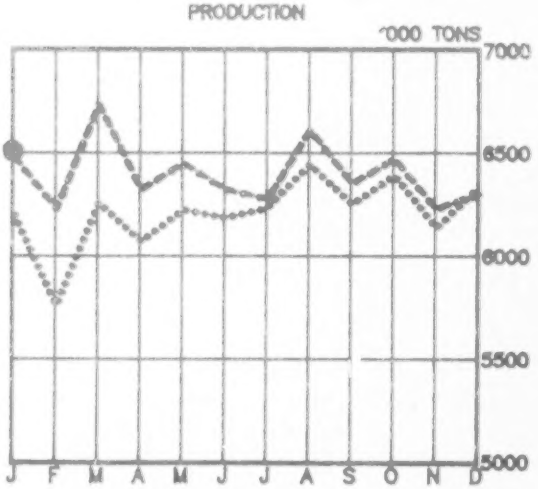
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



● JAN 1989 1987 ••••••• 1988 -•-•-•-1989 ——

I M P O R T S

	YEAR 1987 Tons	YEAR 1987 $000	1988 NOVEMBER Tons	1988 NOVEMBER $000	1988 DECEMBER Tons	1988 DECEMBER $000	(1) Annual Rate YTD 1988 Tons	% Change from same Period Last Year
Pulpwood Roundwood (cords)	15,432	1,746	85	10	2,375	171	39,515	156.1
Pulpwood Chips	525,629	15,476	72,882	2,255	94,469	4,851	888,636	69.1
Total All Imports	17,891,172	9,243,500	1,526,124	920,373	1,141,573	708,072	18,067,659	1.0
Wood Pulp Total	4,850,238	2,069,389	425,283	240,830	314,192	176,527	4,938,158	1.8
Waste Paper	127,398	19,231	11,803	1,776	10,048	1,924	161,367	26.7
Other Fibrous Materials	76,491	27,287	7,967	2,718	5,394	1,914	92,585	20.9
Paper Board & Products Total	12,837,046	6,927,693	1,081,072	675,049	811,939	527,706	12,875,629	0.3
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	12,435,486	5,395,122	1,042,391	588,185	777,437	447,380	12,445,374	0.1
Paper Ppbd & Prds ex Cnst&WMB	12,527,598	6,829,736	1,047,600	663,304	794,360	520,729	12,553,184	0.2
Paper & Paperboard Only	12,126,039	5,896,165	1,008,919	576,640	759,859	441,203	12,122,930	0.0
Paper Total	11,765,208	5,768,703	975,355	563,248	737,693	432,017	11,781,919	0.1
Newsprint	8,986,548	4,121,327	706,871	371,870	539,297	284,335	8,591,583	-4.4
Printing & Writing	2,418,216	1,412,458	234,641	166,231	173,738	127,719	2,787,659	15.7
Uncoated Groundwood	1,269,774	654,767	101,647	60,649	75,279	45,879	1,362,642	7.3
Coated Print.& Impreg. Pap.	674,531	467,865	67,777	56,719	53,209	46,876	788,865	17.0
Uncoated Free Sheet	417,395	249,943	61,981	45,717	41,897	31,855	576,138	38.0
Uncoated Book	210,624	119,775	26,560	19,755	11,745	9,184	246,446	17.0
Writing and Similar Paper	206,771	130,168	35,421	25,962	30,152	22,551	329,683	59.4
Thin (except Cigarette)	47,567	38,831	3,152	3,837	3,259	3,803	55,774	17.3
Bristols	950	1,052	84	108	86	106	4,247	347.1
Total Pkg & Other Paper	312,324	191,620	29,660	21,604	22,145	17,816	343,196	10.6
Unbleached Kraft Paper	168,420	69,828	13,152	6,437	8,262	4,100	161,708	-4.0
Other Pkg. & Indust. Paper	141,904	121,792	16,508	15,167	13,883	13,717	181,488	27.9
Tissue	58,121	43,299	4,184	3,543	2,520	2,147	59,561	2.5
Paperboard, Total	360,831	127,461	33,564	13,392	22,166	8,986	341,811	-5.5
Test or Containerboard	80,981	29,352	9,320	3,820	7,211	2,653	85,682	5.8
Semi-Chemical Corrugating	128,636	33,898	12,402	3,914	6,861	2,164	142,490	10.8
Other Paperboard	151,214	64,211	11,842	5,658	8,295	4,169	112,839	-25.4
Convtd Paper&Paperbd Products	401,559	932,571	38,681	86,664	34,502	79,726	430,255	7.1
Paper Products, Total	368,179	866,121	35,448	80,590	31,476	74,341	393,089	6.8
Paperboard Products, Total	33,380	66,450	3,233	6,074	3,026	5,385	37,166	11.3
Wet machine Board	3,463	2,638	301	252	309	324	4,239	22.4
Construction Paper & Board	305,985	96,320	33,171	11,493	17,269	6,653	318,206	4.0
Notes								
Other: No Weight Avail. ($000)		201,453		13,964		12,584	177,686	-11.8
Total Imports Incl. Other($000)		9,245,053		934,337		720,576	18,720,110	16.0

E X P O R T S

							(1)	
Pulpwood, Roundwood (cords)	16,178	913	0	0	35	2	12,036	-25.6
Pulpwood Chips	2,546,467	188,459	242,218	19,547	415,796	31,798	3,583,180	37.6
Total All Exports	14,797,437	6,007,818	1,393,113	591,922	1,615,650	706,368	17,062,208	15.3
Wood Pulp,Total	4,889,331	2,259,377	419,774	223,991	572,547	303,642	5,528,292	13.1
Cotton Pulp and Other Pulp	182,201	91,365	16,250	10,281	20,941	10,155	201,567	10.8
Waste and Old Paper	4,422,139	553,348	507,449	58,435	524,272	57,212	5,640,118	27.5
Paper, Board & Products,Total	5,303,966	3,103,728	469,640	305,214	500,890	335,360	5,692,231	7.3
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	4,578,770	2,280,329	383,853	216,735	430,788	245,954	4,877,563	6.5
Paper, Ppbd & Prod ex Cnst&WMB	5,196,613	3,044,546	439,772	299,662	490,470	330,482	5,560,356	7.0
Paper & Paperboard, Only	4,471,418	2,221,187	373,985	211,182	421,888	241,075	4,745,688	6.1
Paper, Total	921,397	776,181	100,488	85,823	103,933	92,185	1,103,490	19.8
Newsprint	339,773	210,893	48,219	33,377	44,166	30,226	428,296	26.1
Printing & Writing	249,092	242,639	23,819	25,878	27,565	29,465	287,288	15.3
Uncoated Groundwood	55,841	39,750	6,535	5,056	9,858	7,609	78,286	25.9
Clay Coated Paper	100,819	72,145	7,612	5,826	6,806	5,960	97,464	-3.3
Uncoated Free Sheet	67,858	99,330	6,535	10,029	6,648	9,826	82,660	21.8
Other Printing & Writing	24,554	31,414	3,137	4,166	4,253	6,062	36,799	49.9
Total Pkg. & Other Paper	294,201	292,659	26,401	24,762	30,647	30,349	346,718	17.9
Unbleached Kraft	89,194	40,758	10,588	5,885	11,035	6,210	110,875	23.4
Other Pkg. & Indust. Paper	205,007	251,901	15,813	19,757	19,612	24,139	236,643	15.4
Tissue	18,332	30,790	2,249	2,506	1,556	2,146	41,268	7.7
Paperboard, Total	3,550,021	1,444,926	273,497	125,360	317,155	148,890	3,642,198	2.6
Solid Wood Pulp	1,218,952	1,321,618	254,817	116,359	290,677	136,375	3,359,878	4.4
Total Linerboard	2,296,633	812,161	179,357	69,757	206,094	80,657	2,281,162	-0.7
Bleached Kraft Linerboard	102,266	46,429	11,288	5,805	21,090	9,780	140,801	37.7
Unbleached Kraft Linerbd	2,194,367	765,731	168,070	63,952	185,004	70,877	2,140,362	-2.5
Other Unbleached Kraft	210,566	78,596	9,993	5,250	12,843	6,219	292,437	38.9
Other Bleached Kraft	647,803	407,923	61,218	39,333	67,876	47,491	742,918	14.7
Semi-Chemical Corrugacing	63,951	22,938	4,250	2,818	3,864	2,008	42,360	-33.8
Recycled Paperboard	331,869	123,308	18,680	9,801	26,479	12,515	283,121	-14.5
Convtd Paper&Paperbd Products	725,196	823,399	65,787	88,479	69,382	89,486	814,668	12.3
Paper Products, Total	301,202	540,681	31,190	57,196	31,977	56,878	367,548	22.0
Paperboard Products, Total	423,994	282,718	34,597	31,283	37,405	32,528	447,121	5.5
Wet Machine Board	17,328	7,816	836	352	918	368	11,691	-32.5
Construction Paper & Board E	90,024	51,485	9,032	5,288	8,702	4,510	120,184	33.5
Notes								
Other: No Weight Avail. ($000)		8,037		867		765	9,170	14.1
Total Exports Incl. Other($000)		6,015,855		598,789		707,134	7,476,533	24.3

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1982 = 100

	1987	1988	OCTOBER 1988	NOVEMBER 1988	DECEMBER 1988	JANUARY 1989	Annual Rate Y-T-D 1989	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	114.1	124.8	128.2	128.2	128.5	129.3	129.3	8.7
Pulp Paper & Products, ex. Building Grades & ex Waste Paper *	113.2	123.6	127.1	127.5	128.2	128.9	128.9	9.6
Total Wood Pulp	111.5	136.8	145.2	145.2	145.2	149.1	149.1	21.3
Total Paper	111.5	123.2	127.0	127.5	127.7	128.7	128.7	9.0
Total Paper, exc. Newsprint	114.6	123.4	128.6	128.5	128.7	129.5	129.5	10.0
Newsprint	112.3	127.2	127.1	127.1	126.2	126.1	126.1	-0.8
Total Paperboard	118.1	133.2	136.5	136.5	136.5	137.8	137.8	8.8
Total Paper and Paperboard *	113.6	126.7	130.2	130.3	130.5	131.6	131.6	8.9
Converted Products	114.7	123.0	126.1	126.1	127.1	127.6	127.6	7.7
Waste Paper	181.4	183.6	179.2	169.8	158.9	145.3	145.3	-20.8
All Commodities	102.8	106.9	108.2	108.3	109.0	110.3	110.3	5.4
Industrial Commodities	102.6	106.1	107.1	107.4	108.1	109.4	109.4	4.8

SOURCE: Producer Price Indexes; Bureau of Labor Statistics, U.S. Department of Labor * Computed by API

Paper and Allied Products Companies

Sales and Earnings

	Sales			Net Profit After Taxes			Net Profits/Sales	
	1988	1987	88/87	1988	1987	88/87	1988	1987
	(Thousand Dollars)		%	(Thousand Dollars)		%	%	%
	27 Paper and Allied Products Companies							
First Quarter	15,808,482	13,233,865	19.5	1,193,498	712,278	67.6	7.55	5.38
Second Quarter	16,346,683	14,264,077	14.6	1,342,113	898,506	49.4	8.21	6.30
Third Quarter	16,773,686	14,789,070	13.4	1,570,131	979,755	60.3	9.36	6.62
Fourth Quarter	17,188,058	15,259,489	12.6	1,440,812	1,034,610	39.3	8.38	6.78
Year-to-date	66,116,909	57,546,501	14.9	5,546,574	3,625,149	53.0	8.39	6.30
	4 Forest Product Companies							
First Quarter	4,500,193	3,931,746	14.5	256,450	202,868	26.4	5.70	5.16
Second Quarter	5,108,811	4,388,302	16.4	314,428	277,394	13.4	6.15	6.32
Third Quarter	4,967,155	4,818,410	3.1	304,091	292,600	3.9	6.12	6.07
Fourth Quarter	5,717,280	5,103,460	12.0	323,620	278,690	16.1	5.66	5.46
Year-to-date	20,293,439	18,241,918	11.2	1,198,589	1,051,552	14.0	5.91	5.76

series that appear in index form, and for 1983 through 1988.

After declining 2.1% in 1985, U.S. production of paper and paperboard (excluding the construction grades) advanced 5.8% in 1986, 5.0% in 1987, and 3.1% last year. These above-trend gains -- production grew at an average rate of 2.7% a year from 1978 through 1988 -- stemmed from strong increases in domestic consumption as well as from export growth. As a result of the solid gains in production, the industry's rate of capacity utilization climbed from 90% in 1985 to 93.5% in 1986 and 95.2% in 1987. The 1988 rate of capacity utilization rose fractionally, to 95.5%.

New supply of paper and paperboard (production plus imports less exports) rose at an average annual rate of 2.7% in the 1978-88 period, which coincided with the rate of increase of production for the same ten-year period. Looked at another way, domestic production equaled 91.4% of new supply in 1978 and 91.6% of new supply in 1988. However, there were some notable variations within the period. For instance, domestic production amounted to nearly 95% of new supply during 1980-82, years that were characterized by two recessions and consecutive annual declines in imports of paper, paperboard and converted products. Production's share of new supply amounted to 91% in 1986 and 1987, but then edged up to 91.6% in 1988 as export growth outpaced import gains. Net imports fell from 7.3 million tons in 1987 to 7.0 million tons last year.

The industry's exports of paper, paperboard, and converted products rose 14.6% in 1986, 13.2% in 1987, and 7.0% in 1988, for a cumulative three year gain of 38.7%. The strong export gains reflected the return of the dollar's trade-weighted exchange rate to levels more in line with economic fundamentals and the industry's increased cost-competitiveness resulting from large capital outlays for modernization. Imports of paper, paperboard, and converted products have risen 13.0% since 1985.

The second tier of the table reports market pulp production, which grew at an average annual rate of 5% during the past ten years. Market wood pulp production rose 11.4% in 1986, 7.2% in 1987, and 3.4% last year. Last year's market pulp production total was equivalent to the reported capacity.

Industry consumption of waste paper grew 5.8% in 1987 and 3.5% last year. At the same time, exports of waste paper surged 18% in 1987 and 28% in 1988. Those consumption and export gains brought the recovery rate for recyclable paper from 27.7% in 1986 to 29.8% in 1988.

Other important information included in the table on page 12 include demand indicators for paper and board, and data series pertaining to employment, productivity, sales, earnings, newsprint, fibre boxes, and national economic trends.

PAPER AND PAPERBOARD — Tons (000)	1977	1983	1984	1985	1986	1987	1988
Total Production (API).....: excluding :...	56,656	64,964	68,468	67,038	70,889	74,435	76,705
Imports (including Products).: and wet :..E	7,294	8,589	10,576	11,106	11,597	12,454	12,553
Exports (including Products).: machine :..E	3,171	4,502	4,310	4,003	4,593	5,197	5,560
Apparent Consumption.....: grades :...	60,779	68,971	74,734	74,133	77,893	81,692	83,698
Paper Production % Tonnage Capacity.....	92.9	91.9	92.8	90.5	93.2	94.1	95.5
Paperboard Production % Tonnage Capacity.....	90.0	90.8	94.6	90.0	94.3	96.8	96.7
IMPORTS.....:Including Construction and :...	7,432	8,906	11,075	11,521	11,916	12,837	12,876
EXPORTS.....: HMB Grades (excl. HPB) :...	3,230	4,569	4,387	4,077	4,687	5,304	5,797
MARKET WOOD PULP PRODUCTION - Tons (000).....	1,820	6,526	6,899	6,800	7,572	8,114	8,455
TOTAL WOOD PULP PRODUCTION - Tons (000).....	46,648	52,454	55,471	54,147	57,005	59,552	61,210
WOOD PULP IMPORTS - TONS (000).....	3,864	4,093	4,490	4,466	4,582	4,850	4,938
WOOD PULP EXPORTS - TONS (000).....	2,640	3,644	3,594	1,791	4,458	4,889	5,528
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS : excluding :							
Wood Pulp.....:consumption for:.....	45,885	51,422	54,994	55,047	57,861	59,475	60,892
Waste Paper.....:construction & :.....	14,058	14,996	15,926	15,623	17,285	18,296	18,859
TOTAL.....: HMB grades :.....	59,863	66,318	70,920	70,670	74,345	77,770	79,751
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	73,978	85,442	87,646	85,744	91,434	93,346	95,497
EMPLOYMENT (000)							
Paper and Allied Products.....Total.....	691.6	661.2	680.9	677.7	673.7	679.0	689.3
Pulp, Paper and Board Mills.....Total.....E	272.3	256.2	257.2	252.3	248.1	244.9	245.5
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	5.96	9.93	10.41	10.82	11.18	11.42	11.64
Pulp, Paper Mills.....E	6.75	11.70	12.43	13.11	13.63	14.00	14.29
Paperboard Mills.....E	6.34	12.11	12.99	13.60	13.98	14.30	14.48
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS (Dept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.48	5.92	7.21	8.59	8.77	9.81	11.17
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....							
:IN PULP, PAPER :...Production Workers.....	100.0	121.4	124.8	123.6	131.2	140.1	144.6
:AND BOARD MILLS:...All Employees.....	100.0	119.6	121.9	122.1	128.6	136.8	141.2
PAPER AND ALLIED PRODUCTS (Million $)							
Industry Shipments (Dept. of Commerce)*.....	52,086	84,589	94,813	93,413	103,916	118,355	127,740
Pulp, Paper and Paperboard*.....	22,103	36,071	41,384	39,173	44,033	51,518	57,136
Inventories (End of Period) - Total Industry*..	5,642	9,263	10,128	9,908	10,429	11,284	12,090
Pulp, Paper and Paperboard*.....	2,999	3,440	3,822	3,828	4,115	4,266	4,318
Sales (Corporations Only).....	45,750	65,088	71,891	71,465	74,844	95,576	106,767 *
Earnings (Corporations Only).....	2,367	2,327	3,015	2,880	3,280	5,520	8,221 *
Depreciation (Corporations Only).....	1,663	2,607	2,798	3,099	3,389	4,279	4,607 *
Net Worth (Corporations Only).....	19,784	27,219	28,160	29,694	31,221	39,217	43,015 *
PRICE INDEXES (Bureau of Labor Stats)1982=100							
Pulp, Paper & Products, ex. Building Grades....	68.6	99.3	107.3	106.9	107.5	114.3	124.7
Wood Pulp.....	74.2	91.5	104.8	91.4	94.7	111.6	136.7
Waste Paper.....	154.6	151.3	198.2	122.9	142.6	181.4	183.5
Paper.....	67.8	98.5	105.8	106.0	107.0	111.5	123.2
Paperboard.....	69.1	98.4	110.4	107.7	106.5	118.1	133.2
PAPER DEMAND (INDEXED: 1977=100)							
Total Paper Production *.....	100.0	118.4	124.3	122.8	128.0	133.8	138.9
Paper New Supply *.....	100.2	117.8	127.6	128.7	133.7	140.6	144.1
Demand Indicators - (Weighted Average) *.....	100.0	122.2	134.8	140.7	146.4	154.5	163.8
Production of Nondurable Goods *...(21.2%).	100.2	113.7	122.2	125.3	130.1	136.8	143.9
Disposable Income .....*.(23.9%)	100.7	111.8	119.5	123.0	127.8	130.8	135.8
Total Printing and Publishing *...(54.9%).	100.0	129.6	146.4	154.3	160.9	172.0	184.0
PAPERBOARD DEMAND (INDEXED: 1977=100)							
Total Paperboard Production *.....	100.0	111.1	117.6	114.3	121.9	129.1	132.0
Production for Domestic Use	100.0	107.5	115.4	112.8	118.7	126.5	129.3
Demand Indicators - (Weighted Average) *.....	100.0	107.9	118.1	120.1	121.9	125.9	132.5
Production of Consumer Goods *...(62.06%)	100.0	109.3	119.0	120.5	124.1	127.7	133.9
Production of Equipment *...(5.75%)	100.0	121.7	140.5	146.4	143.7	148.8	158.2
Production of Materials *...(32.19%)	100.0	102.8	114.2	114.5	113.8	118.3	125.3
NEWSPRINT MARKETS							
Consumption by Publishers - Tons (000).....	10,230	11,674	12,503	12,773	13,158	13,583	14,[illegible]d
Newspaper Pub. and Printing Empl. Total(000)...	396	426	440	454	461	471	478
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (PIB, Inc.).....	105,389	141,859	157,798	155,545	154,317	164,771	166,620
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	N.A.	28,617	34,473	36,798	38,245	44,741	52,288
Inventories (End of Period).	N.A.	26,732	2,951	3,267	3,577	3,850	4,322
FIBRE BOX DATA (Fibre Box Association)							
Fibre Box Shipments (Million square feet).....	227,198	252,539	267,547	267,451	283,921	297,827	307,457
Containerbd Inventory at Mill & Plant(000Tons).	2,437	2,437	2,882	2,549	2,238	2,486	2,552
RETAIL TRADE (Billion $)							
Total Retail Sales *.....	722,489	1,171,191	1,289,273	1,379,621	1,437	1,509	1,606
Nondurable Goods Stores Sales *.....	471,073	773,260	821,993	861,640	899	951	999
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1977 = 100)*..	100.0	109.2	121.4	124.2	125.1	129.8	137.2
PRODUCER PRICES(ALL COMMODITIES)(INDEX 1982=100).	64.9	101.3	103.7	103.2	100.2	102.8	106.9
CONSUMER PRICES (ALL ITEMS) (INDEX 1982-4=100)...	60.6	99.6	103.9	107.6	109.6	113.6	118.3
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $)..	223.0	380.0	453.0	531.0	586.3	621.6	679.3
GROSS NATIONAL PRODUCT - ANNUAL RATE (BillionS)..							
G.N.P. or Expenditure - Current $.....	1,991	3,406	3,772	4,015	4,240	4,527	4,862
G.N.P. or Expenditure - 1982 $.....	2,959	3,279	3,501	3,619	3,722	3,847	3,995

Note: Wood Pulp production excludes def., explo. & scrngs.
* First three quarters at annual rate.

A 2500-2

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

February 27, 1988

PRODUCTION (000 TONS)

	(P) JANUARY 1989	DECEMBER 1988	JANUARY 1988	FIRST MONTH 1989	FIRST MONTH 1988	% CHANGE YR TO DATE 1988/1987
PAPER GRADES						
Newsprint	507	512	499	507	499	1.7
Printing & Writing	1,785	1,756	1,832	1,785	1,832	-2.6
Uncoated Groundwood (s)	143	125	128	143	128	12.3
Coated Paper (s)	627	573	638	627	638	-1.6
Uncoated Free Sheet Paper (s)	890	930	944	890	944	-5.6
Thin Paper (s)	19	18	19	19	19	-4.8
Cotton Fiber Paper (s)	13	15	13	13	13	-1.0
Bleached Bristols (s)	92	95	90	92	90	2.0
Tissue Paper	481	450	448	481	448	7.2
Total Pkg & Other Paper	456	423	443	456	443	2.9
Unbl. Kraft Paper (s)	273	258	265	273	265	2.9
Other Paper	183	165	178	183	178	3.0
TOTAL PAPER	3,229	3,140	3,222	3,229	3,222	0.2
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1,666	1,635	1,637	1,666	1,637	1.8
Unbleached Kraft Linerboard	1,554	1,526	1,530	1,554	1,530	1.6
Other Unbl. Kraft Paperboard	113	110	107	113	107	5.0
Semichemical Paperboard	495	478	488	495	488	1.3
Bleached Paperboard	377	381	378	377	378	-0.2
Recycled Paperboard	744	663	745	744	745	-0.2
TOTAL PAPERBOARD	3,282	3,157	3,249	3,282	3,249	1.0
TOTAL PAPER AND PAPERBOARD	6,511	6,297	6,470	6,511	6,470	0.6

WOOD PULP (ALL GRADES)	DECEMBER 1988	NOVEMBER 1988	DECEMBER 1987	TOTAL YEAR 1988	TOTAL YEAR 1987	% Change 88/87
Dissolving & Special Alpha	127	112	109	1,367	1,312	4.2
Bleached Sulfite)	143	127	121	1,560	1,440	8.3
Unbleached Sulfite)						
Bleached & Semi-Bl. Sulfate	2,323	2,169	2,237	26,302	25,411	3.5
Unbleached Sulfate	1,838	1,711	1,869	21,681	21,442	1.1
Semichemical	368	366	339	4,357	4,246	2.6
Groundwood & Thermomechanical	484	489	484	5,943	5,702	4.2
TOTAL PULP DIVISION DATA	5,282	4,974	5,160	61,210	59,552	2.8

(s) - Shipments
P - Preliminary

FEBRUARY 28, 1989

	Full Year		INDUSTRY DATA 1988 - 1989 R		P	Ann. Rate Year - To - Date	% From Same Pd. Last Year
PAPER AND PAPERBOARD -- Tons (000)	1987	1988	November	December	January	1989	
Total Production (API).....: excluding :...	74,435	76,705	6,223	6,297	6,511	78,132	0.6
Total Seasonally Adjusted....:construction:...			6,376	6,307	6,377	76,529	0.3
Imports (including Products).: and wet :..E	12,554	12,553	1,048	794	1,046	12,552	1.2
Exports (including Products).: machine :..E	5,197	5,560	440	490	477	5,724	21.3
Apparent Consumption.....: grades :...	81,692 a	83,698 b	6,984	6,611	6,946	84,360 c	1.1
Paper Production % Tonnage Capacity.....	94.1 g	95.5	94.7	90.7	93.5	93.5	-
Paperboard Production % Tonnage Capacity.....	96.8 g	96.7	92.1	91.9	95.2	95.2	-
			October	November	December		
IMPORTS.....:Including Construction and :..	12,837	12,876	1,077	1,081	812	N.A.	N.A.
EXPORTS.....: WMB Grades (excl. HPB) :...	5,304	5,797	437	458	508	N.A.	N.A.
			October	November	December		
MARKET WOOD PULP PRODUCTION - Tons (000).....	8,114	8,455	646	684	764	N.A.	N.A.
TOTAL WOOD PULP PRODUCTION - Tons (000).....	59,552	61,210	5,079	4,974	5,283	N.A.	N.A.
WOOD PULP IMPORTS - TONS (000).....	4,850	4,938	436	425	314	N.A.	N.A.
WOOD PULP EXPORTS - TONS (000).....	4,889	5,528	421	428	573	N.A.	N.A.
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS : excluding :			October	November	December		
Wood Pulp.....:consumption for:.....	59,475	60,892	5,158	4,962	5,113	N.A.	N.A.
Waste Paper.....:construction & :.....	18,296	18,859	1,601	1,569	1,507	N.A.	N.A.
TOTAL.....: WMB grades :.....	77,770	79,751	6,759	6,531	6,620	N.A.	N.A.
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	93,966	95,497	7,908	7,887	8,198	N.A.	N.A.
EMPLOYMENT (000)			November	December	January		
Paper and Allied Products.....Total.....	679.8	689.3	692.8	692.9	690.1	690.1	1.2
Pulp, Paper and Board Mills.....Total.....E	244.3	245.5	244.3	244.6	243.5	243.5	-0.3
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)			November	December	January		
Paper and Allied Products.....	11.42	11.64	11.72	11.78	11.78	11.78	2.1
Pulp, Paper Mills.....E	14.00	14.23	14.51	14.47	14.47	14.47	3.3
Paperboard Mills.....E	14.18	14.48	14.58	14.60	14.60	14.60	1.3
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1988 Q2	1988 Q3	1988 Q4		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	9.81	11.17	11.49	11.37	12.29	14.33 Y	28.3
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			November	December	January		
:IN PULP, PAPER :...Production Workers.....	140.1	144.8	144.5	142.9	147.8	147.8	2.3
:AND BOARD MILLS:...All Employees.....	137.8	141.9	141.1	140.1	144.4	144.4	2.2
PAPER AND ALLIED PRODUCTS (Million $)			October	November	December		
Industry Shipments (Dept. of Commerce)*.....	118,855	127,718	10,669	10,779	10,956	N.A.	N.A.
Pulp, Paper and Paperboard*.....	51,518	57,177	4,761	4,794	4,860	N.A.	N.A.
Inventories (End of Period) - Total Industry*..	11,284	12,065	11,835	11,939	12,065	N.A.	N.A.
Pulp, Paper and Paperboard*.....	4,266	4,325	4,196	4,253	4,325	N.A.	N.A.
			1988 Q1	1988 Q2	1988 Q3		
Sales (Corporations Only).....	95,576	106,767 h	25,584	27,227	27,344	N.A.	N.A.
Earnings (Corporations Only).....	5,520	8,221 h	1,744	2,195	2,227	N.A.	N.A.
Depreciation (Corporations Only).....	4,279	4,607 h	1,169	1,124	1,162	N.A.	N.A.
Net Worth (Corporations Only).....	39,217	43,815 i	40,213	41,621	43,815	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1982=100			November	December	January		
Pulp, Paper & Products, ex. Building Grades....	114.3	124.7	128.2	128.5	129.3	129.3	8.7
Wood Pulp.....	111.6	136.7	145.2	145.2	149.1	149.1	21.3
Waste Paper.....	181.4	183.5	168.8	158.9	155.3	155.3	-28.8
Paper.....	111.5	123.2	127.5	127.7	128.7	128.7	9.8
Paperboard.....	119.1	133.2	136.5	136.5	137.8	137.8	8.8
PAPER DEMAND (INDEXED: 1977=100)			November	December	January		
Total Paper Production *.....	133.8	138.9	139.8	137.4	137.8	137.8	-0.1
Paper New Supply *.....	140.6	144.1	144.4	133.8	142.2	142.2	-0.7
Demand Indicators - (Weighted Average) *.....	154.5	161.8	167.4	168.2	169.9	169.9	6.8
Production of Nondurable Goods *...(21.2%).	136.8	143.9	146.7	147.6	148.6	148.6	5.1
Disposable Income .....*.(23.9%)	130.3	135.8	136.6	137.5	139.8	139.8	4.8
Total Printing and Publishing *...(54.9%).	172.8	184.8	188.8	189.5	191.5	191.5	7.9
Trend Factor			Not Available				
PAPERBOARD DEMAND (INDEXED: 1977=100)							
Total Paperboard Production *.....	129.1	132.8	130.5	129.9	133.2	133.2	8.7
Production for Domestic Use	126.9	129.3	129.7	126.6	130.8	130.8	8.6
Demand Indicators - (Weighted Average) *.....	125.9	132.5	135.3	136.3	136.9	136.9	5.4
Production of Consumer Goods *...(62.8%)	127.7	133.9	136.7	138.8	138.9	138.9	5.9
Production of Equipment *...(5.7%)	148.8	158.2	159.9	160.1	160.5	160.5	4.8
Production of Materials *...(32.1%)	114.3	125.3	128.3	128.7	128.7	128.7	4.6
Trend Factor			Not Available				
NEWSPRINT MARKETS			October	November	December		
Consumption by Publishers - Tons (000).....	13,583	13,598	1,251	1,206	1,144	N.A.	N.A.
Newspaper Pub. and Printing Empl. Total(000)...	471	478	480	482	483	N.A.	N.A.
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (PIB, Inc.).....	164,771	166,620	17,264	17,024	14,831	N.A.	N.A.
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	44,741	52,288	4,625	4,551	4,354	N.A.	N.A.
Inventories (End of Period).	3,850	4,322	4,401	4,290	4,322	N.A.	N.A.
FIBRE BOX DATA (Fibre Box Association)			November	December	January		
Fibre Box Shipments (Million square feet).....	297,827	307,457	24,957	23,467	26,444	317,328	6.4
Container'bd Inventory at Mill & Plant(000Tons).	2,486	2,552	2,487	2,552	2,719	2,719	2.1
RETAIL TRADE (Billion $)			November	December	January		
Total Retail Sales *.....	1,589	1,686	138	138	139	1,667	7.9
Nondurable Goods Stores Sales *.....	951	999	86	86	86	1,038	8.0
GENERAL ECONOMIC DATA			November	December	January		
TOTAL INDUSTRIAL PRODUCTION (INDEX 1977 = 100)*..	129.8	137.2	139.9	140.6	141.1	141.1	5.0
PRODUCER PRICES(ALL COMMODITIES)(INDEX 1982=100).	102.8	106.9	108.3	109.0	110.3	110.3	5.4
CONSUMER PRICES (ALL ITEMS) (INDEX 1982-4=100)...	113.6	118.3	120.3	120.5	121.1	121.1	4.7
			October	November	December		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $)..	623.6	679.1	661.2	665.7	679.1	N.A.	N.A.
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions)..			1988 Q2	1988 Q3	1988 Q4		
G.N.P. or Expenditure - Current $.....	4,527	4,862	4,824	4,909	4,990	N.A.	N.A.
G.N.P. or Expenditure - 1982 $.....	3,847	3,935	3,985	4,009	4,029	N.A.	N.A.

lb/capita
Pap&Papbd Othr Totl Popul(mil)
.a - 670 + 17 = 687 243.9
.b - 682 + 17 = 699 245.5
.c - 692 + 17 = 709 245.5
.E - Last month estimated by API

f - Wood Pulp Production excludes def., explo. & scrngs.
g - Adjusted for holiday shutdowns
h - First 3 quarters, annual rate
Q - Quarter
i - End of September

Y - Full year estim. by U.S. Dept. of Com.

* - Seasonally Adjusted.